

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (Currently amended): A method for controlling a recloser for an electrical power line, comprising:

determining a protection setting group, the protection setting group having at least one associated feature, wherein the at least one associated feature comprises one of time of day, day of week, and month of year;

determining a present condition of the at least one associated feature;

determining a behavior function for the recloser based on the protection setting group and the present condition; and

implementing the behavior function for the recloser, thereby controlling adaptively setting the recloser responsive to function in accordance with the behavior function.

Claim 2 (Original): The method according to claim 1, further comprising continuously monitoring the present condition and changing the behavior function responsive to the monitoring.

Claim 3 (Original): The method according to claim 2, wherein the monitoring the present condition comprises monitoring at predetermined intervals.

Claim 4 (Canceled)

Claim 5 (Canceled)

Claim 6 (Original): The method according to claim 1, wherein the behavior function comprises one of fuse saving mode and fuse clearing mode.

Claim 7 (Canceled)

Claim 8 (Currently amended): A recloser control system for an electrical power line, comprising:

a recloser;

a memory comprising a protection setting group having at least one behavior function with an associated feature, wherein the associated feature comprises one of time of day, day of week, and month of year; and

a recloser controller coupled to the recloser and the memory for controlling adaptively setting the recloser responsive to function in accordance with one of the at least one behavior functions in the protection setting group.

Claim 9 (Original): The recloser control system according to claim 8, wherein the recloser controller monitors a present condition of each associated feature of each behavior function in the protection setting group, and determines the behavior function based on the present condition.

Claim 10 (Original): The recloser control system according to claim 8, wherein the recloser controller comprises the memory.

Claim 11 (Canceled)

Claim 12 (Canceled)

Claim 13 (Original): The recloser control system according to claim 8, wherein the at least one behavior function comprises one of fuse saving mode and fuse clearing mode.

Claim 14 (Canceled)

Claim 15 (Currently amended): A computer-readable medium having computer-executable instructions for performing steps comprising:

determining a protection setting group for a recloser operating on an electrical power line, the protection setting group having at least one associated feature, wherein the at least one associated feature comprises one of time of day, day of week, and month of year;

determining a present condition of the at least one associated feature;

determining a behavior function for the recloser based on the protection setting group and the present condition; and

~~implementing the behavior function for the recloser, thereby controlling adaptively~~
setting the recloser responsive to function in accordance with the behavior function.

Claim 16 (Original): The computer-readable medium according to claim 15, further comprising computer-executable instructions for continuously monitoring the present condition and changing the behavior function responsive to the monitoring.

Claim 17 (Original): The computer-readable medium according to claim 16, wherein monitoring the present condition comprises monitoring at predetermined intervals.

Claim 18 (Canceled)

Claim 19 (Original): The computer-readable medium according to claim 15, wherein the behavior function comprises one of fuse saving mode and fuse clearing mode.

Claim 20 (Canceled)

Claim 21 (New): A method for protecting a recloser for an electrical power line, comprising:

determining a protection setting group having at least one associated feature comprising load current;

determining a present condition of the load current;

determining a behavior function for the recloser based on the protection setting group and the present condition; and

protecting the recloser by setting the recloser to function in accordance with the behavior function.

Claim 22 (New): The method according to claim 21, wherein protecting the recloser comprises modifying control of the recloser based on the load current.

Claim 23 (New): The method according to claim 21, further comprising continuously monitoring the present condition and changing the behavior function responsive to the monitoring.

Claim 24 (New): The method according to claim 23, wherein monitoring the present condition comprises monitoring at predetermined intervals.

Claim 25 (New): The method according to claim 21, wherein the behavior function comprises one of fuse saving mode and fuse clearing mode.

Claim 26 (New): A computer-readable medium having computer-executable instructions for performing steps for protecting a recloser for an electrical power line, comprising:

determining a protection setting group having at least one associated feature comprising load current;

determining a present condition of the load current;

determining a behavior function for the recloser based on the protection setting group and the present condition; and

protecting the recloser by setting the recloser to function in accordance with the behavior function.

Claim 27 (New): The computer-readable medium according to claim 26, wherein protecting the recloser comprises modifying control of the recloser based on the load current.

Claim 28 (New): The computer-readable medium according to claim 26, further comprising computer-executable instructions for continuously monitoring the present condition and changing the behavior function responsive to the monitoring.

Claim 29 (New): The computer-readable medium according to claim 28, wherein monitoring the present condition comprises monitoring at predetermined intervals.

Claim 30 (New): The computer-readable medium according to claim 26, wherein the behavior function comprises one of fuse saving mode and fuse clearing mode.

Claim 31 (New): A recloser control system for an electrical power line, comprising:

- a recloser;
- a memory comprising a protection setting group having at least one associated feature comprising load current; and
- a recloser controller coupled to the recloser and the memory for protecting the recloser by setting the recloser to function in accordance with a behavior function based on the protection setting group and the present condition of the load current.

Claim 32 (New): The recloser control system according to claim 31, wherein the recloser controller monitors the present condition and determines the behavior function based on the present condition.

Claim 33 (New): The recloser control system according to claim 32, wherein the recloser controller continuously monitors the present condition and changes the behavior function responsive to the monitored present condition.

Claim 34 (New): The recloser control system according to claim 31, wherein the recloser controller comprises the memory.

Claim 35 (New): The recloser control system according to claim 31, wherein the behavior function comprises one of fuse saving mode and fuse clearing mode.